## Claims

What is claimed is:

1. A method of providing a location-based service, comprising:

creating a database of broadcast radio stations;

maintaining, for each broadcast radio station, a schedule of program information; and

maintaining for each broadcast radio station, geographic boundary information that defines a boundary within which a pre-determined radiated energy pattern is found.

2. The method of Claim 1, wherein the program information includes a program classification code.

3. The method of Claim 1, further comprising,

receiving, from a location-aware product, information representative of the geographic position of the location-aware product to within a pre-determined accuracy;

receiving from the location-aware product one or more program classification codes; and

communicating one or more station tuning codes to the location-aware product;

wherein the tuning codes are associated with broadcast radio stations.

4. The method of Claim 3, further comprising receiving sensitivity data from the location-aware product.

5. The method of Claim 3, further comprising receiving selectivity data from the location-aware product.

6. The method of Claim 3, further comprising receiving model information from the location-aware product.

7. The method of Claim 3, further comprising determining which one or more station tuning codes to communicate to the location-aware product; and wherein determining is based, at least in part, on one or more sensitivity characteristics of the location-aware product.

8. The method of Claim 3, further comprising determining which one or more station tuning codes to communicate to the location-aware product; and wherein determining is based, at least in part, on one or more selectivity characteristics of the location-aware product.

9. The method of Claim 6, further comprising determining which one or more station tuning codes to communicate to the location-aware product; and wherein

determining is based, at least in part, on one or more sensitivity or selectivity characteristics of the location-aware product, the one or more sensitivity or selectivity characteristics being derived from the model information.

10. The method of Claim 9, wherein the location-based services provider derives the sensitivity or selectivity information from the model information by accessing a database.

11. The method of Claim 6, further comprising determining the sensitivity and selectivity characteristics of the location-aware product based on the received model information.

12. The method of Claim 3, further comprising determining the time of day at the geographic position of the location-aware product; and determining which one or more station tuning codes to communicate to the location-aware product based, at least in part, on the geographic position and the time of day at the geographic position.

13. A method of operating a location-aware mobile radio, comprising:

a) providing a frequency assignment to each of a plurality of user input interfaces, each assignment based, at least in part, on a first geographical zone;

b) determining whether a present location of the location-aware mobile radio is within a second geographical zone;

c) providing, if the determination in (b) is affirmative, a second frequency assignment to at least one of the plurality of user input interfaces.

14. The method of Claim 14, wherein the user input interface comprises a button.

15. The method of Claim 13, wherein the user input interface comprises a switch.

16. The method of Claim 13, wherein the second geographical zone overlaps the first geographical zone.

17. A location-aware radio, comprising:

a radio adapted to receive and demodulate signals from a plurality of broadcast radio stations, and to produce at least an audio output;

a location information resource disposed in a known spatial relationship to the radio; and

a transceiver, coupled to the location-information resource, and coupled to the radio, the transceiver adapted to transmit at least an identification code and location information, and further adapted to receive tuning information. and communicate the tuning information to the radio.

18. The location-aware mobile radio of Claim 17, wherein the location information resource comprises a GPS module.

19. The location-aware mobile radio of Claim 18, further comprising a processor coupled to the GPS module, the radio, and the transceiver; and a memory coupled to at least the processor and the radio.

20. The location-aware mobile radio of Claim 19, further comprising an interface adapted to physically and electrically couple a cellular telephone to at least the processor.

21. A method of creating a database, comprising:

obtaining, and retrievably recording in a computer readable format, information regarding a plurality of broadcast stations, including a broadcast station call sign and a carrier frequency, associated with each of the plurality of broadcast stations;

obtaining, and retrievably recording in a computer readable format, one or more field strength boundaries for each broadcast station in a second plurality of broadcast stations; and

obtaining, and retrievably recording in a computer readable format, programming information for each broadcast station in third plurality of broadcast stations;

wherein the second plurality and the third plurality of broadcast stations are each at least a subset of the first plurality of broadcast stations.

22. The method of Claim 21, wherein each of the plurality of broadcast stations comprises a transmitter operable to transmit a radio signal having a field strength that varies with distance from the transmitter, and each field strength boundary defines a region within which the field strength of the radio signal, with which the boundary is associated, is nominally above a predetermined threshold.

23. The method of Claim 22, wherein the predetermined threshold is determined such that the radio signal may be adequately received.

24. The method of Claim 22, wherein the predetermined threshold is determined such that the radio signal may be received by a location-aware radio having predetermined sensitivity and selectivity characteristics.

25. The method of Claim 21, wherein a field strength boundary includes temporal limitations.

26. The method of Claim 22, wherein the programming information comprises one or more program schedules.

27. The method of Claim 22, wherein the programming information comprises one or more station formats.

28. The method of Claim 22, wherein the programming information comprises one or more syndicated show schedules.

29. The method of Claim 22, wherein the database may be accessed so as to retrieve at least broadcast station carrier frequencies based, at least in part, on the logical union of a program type and radio signal field strength at a particular set of geographical coordinates.